

CONFIDENTIAL

30 September 1959

MEMORANDUM FOR: Chief/DPD-DD/P

THROUGH : Assistant Chief/TSS/Research and Development

SUBJECT : Destructor System for the [] Aircraft

1. TSS/Engineering Division has recently completed development of a destructor system designed to completely destroy certain components carried in the [] aircraft.

2. This system is independent of aircraft power supply, requires no modification for installation, can be quickly detached and reattached, has a thirty second minimum delay period, is reliable in operation, and safe to transport in the aircraft. The system requires only two detonators, both of which are "out of line" in the "Safe" position. All other explosive ingredients meet standard military characteristics for safe handling.

3. Each component has been thoroughly tested for reliability and safety. While the services of trained personnel are required for installation, once installed it can quickly and easily be modified to meet various configurations of target equipment. On 13 August 1959 the final test of the complete assembly was made at [] Mock-ups of target equipment were installed in a [] aircraft. Installation was made as if the device were to be used operationally. The system functioned properly, resulting in complete destruction to the target equipment and wrecking the aircraft.

4. As a result of this test program it is concluded that the destructor system fulfills the requirements as originally stated and it is indicated that it is versatile enough to be useful in applications other than the [] aircraft.

5. Sufficient material is on hand to prepare up to ten additional systems or variations thereto. The development of this unit is considered completed. During the latter course of the development it was learned from [] DPD-DD/P, that successful operation of [] aircraft without the destructor system alleviates the necessity for installing the destructor system. However, it was felt advisable to maintain the presently available units in case change of policy requires their future installation. If your office has a requirement for the destruction of critical equipment where a thirty second time delay is desired, TSS/Engineering Division would be glad to assist in assembling such a system.

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Chief
TSS/Engineering Division

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